

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

Date/Time: September 8, 2004
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Agency:

Purpose of Contact: Clarification of the 400-5 IA SAP Addendum #IA-03-14

Discussion

The sample location for PAC 400-815 is within a large, subfloor sump in a bermed area of Room 140 along the north wall of Building 460. This PAC was caused when approximately 1,800 gallons of process wastewater were released into the secondary containment pit of Sump Tank ST-5 (RCRA Unit 40.15). After the release, sample results indicated elevated cadmium levels were present. The source of the cadmium was believed to be from residual nondestructive testing film developer process waste.

Water began pouring into the sump as soon as the concrete slab was penetrated, as a result, a soil sample was not attainable. The location is not presently accessible to sampling equipment that would allow a soil sample to be collected at a depth equivalent to, and below, the base of the sump.

The water is believed to be groundwater since the sump was dry prior to penetration of the concrete. Consequently, a sample of the water will be obtained and analyzed for COCs, especially cadmium. The groundwater concentrations should indicate if there is a potential for a cadmium source, or impact on groundwater in this area that could potentially affect surface water.

A decision on whether additional soil samples will be collected by D&D will be based on the results of the water sample under the consultative process. It is further agreed that the water data will be provided to the State and directly compared to RFCA Tier I and Tier II ground water action levels.

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